[170-180] B-12

BLUE RAM BASIC 1.1
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:PRINT
To save ~~GOTO 25000~~
To load :INPUT;RUN

DATE 4/83
OVER→
PAGE 1 OF 2

~~* All programs formated for 32K. Change line 25000 for other SZ.~~

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1 - CF = LARGE: GOTO 900: PRG. B-12 LINE ART / 4-83
S. KENDALL * WILMETTE, IL * SZ = 100 [BB, AB ONLY]
2 IF TR(1) GOTO G: RETN
3 IF TR(2) GOTO 960: RETN
4 LINE X,Y,Φ; LINE -X,Y,Z; LINE -X,-Y,Z; LINE X,-Y,Z;
  LINE X,Y,Z: RETN
5 BC = RND(2ST): FC = BC + RND(3) + 2: RETN
6 FOR C = 1 TO 220: NEXT C: RETN
7 FOR E = 1 TO 2000: NEXT E: RETN
8 FC = RND(33) * 8 + RND(3) + 3: RETN
9 LINE X,Φ,Φ; LINE Φ,Y,Z; LINE -X,Φ,Z; LINE Φ,-Y,Z;
  LINE X,Φ,Z: RETN

10. DO NOT INCLUDE INFO IN [ ]  11. [ COLORS CAN BE IMPROVED
IN EB BY  12. CHANGING Z TO Z = RND(3) ETC.]
13. [ PRG MAY BE SHORTENED BY OMITTING CERTAIN GROUPS EACH
STARTING WITH A HUNDRED LINE #.]
14. [ BE SURE TO CHANGE THE VALUE OF G IN LINE 970]

100 CLR: A=0: Z=3
110 X = RND(78): Y = RND(40)
130 LINE Φ,Y,Φ; LINE -X,-Y,Z
  LINE X,-Y,Z; LINE Φ,Y,Z
150 GOSUB 2
160 GOSUB 3
180 GOSUB 6: GOSUB 5: GOTO 110

200 CLR: A=0: Z=3
210 X = RND(8) * 4: Y = RND(8) * 4
230 GOSUB 4: A = A+1: IF A = 10
  A=Φ: GOSUB 5
260 GOSUB 2
270 GOSUB 3
280 GOTO 210

300 CLR
310 X = RND(80): Y = RND(44)
320 B = RND(4): Z=3: C = RND(74)
330 FOR A = -40 TO 40 STEP B
340 LINE C,Φ,Φ; LINE -X,A,Z;
  LINE -C,Φ,Φ; LINE X,A,Z
360 IF TR(1) GOTO 300
370 IF TR(2) GOTO 960
380 NEXT A: GOSUB 5: GOSUB 7:
  GOTO 300

400 CLR: BC = 8: FC = 133
410 S = RND(6): Z = RND(3):
  IF Z = 2 GOTO 410
420 FOR X = 10 TO 70 STEP S
430 LINE X, X÷2, Φ; LINE -X,
  X÷2, Z; LINE -X, -X÷2, Z;
  LINE X, -X÷2, Z; LINE X,
  X÷2, Z: NEXT X
440 GOSUB 2
450 GOSUB 3
460 GOSUB 5: GOTO 410

500 CLR: GOSUB 5
510 X = RND(140) - 70: Y = 44: Z = RND(3)
520 IF Y < Φ X = X-1: GOTO 540
530 X = X+1
540 Y = Y-1
550 LINE -X,Φ,Φ; LINE X,Y,Z
560 IF TR(1) GOTO 500
570 IF TR(2) GOTO 960
580 IF Y = -45 FOR S = 1 TO 300;
  NEXT S: GOTO 500
590 GOTO 520

600 CLR; BC = 0: FC = 69: A = 0
610 X = RND(30) * RND(2): Y = RND
  (20) * RND(2): Z = 3
620 LINE X,Φ,Φ; LINE X,Y,Z; LINE Φ,Y,Z
  ; LINE Φ,Φ,Z
630 LINE -X,Φ,Z; LINE -X,Y,Z; LINE
  Φ,Y,Z; LINE Φ,Φ,Z
640 LINE -X,Φ,Z; LINE -X,-Y,Z; LINE
  Φ,-Y,Z; LINE Φ,Φ,Z
650 LINE X,Φ,Z; LINE X,-Y,Z; LINE
  Φ,-Y,Z; LINE Φ,Φ,Z
660 A = A+1: IF A = 5 BC = RND(3) - 1:
  A = 0: IF BC = 2 BC = 8: GOSUB 8
670 GOSUB 2
680 GOSUB 3
690 GOTO 610

700 CLEAR
702 GOSUB 5
704 S = RND(74) + 4: T = RND(40) + 4
706 A = RND(6): K = RND(70)
710 FOR Y = T TO -T STEP -A
712 LINE Φ,Φ,Φ; LINE -K,Y,Z
714 NEXT Y
718 IF TR(1) GOTO 700
719 IF TR(2) GOTO 960
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OVER→

Note:
* = MULTIPLY
■ = SPACE

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720 FOR X=-S TO S STEP A
722 LINE Φ,Φ,Φ; LINE X,-K,Z
724 NEXT X
730 FOR Y=-T TO T STEP A
732 LINE Φ,Φ,Φ; LINE K,Y,Z
734 NEXT Y
740 FOR X=S TO -S STEP -A
742 LINE Φ,Φ,Φ; LINE X,K,Z
744 NEXT X
750 GOSUB 7; GOTO 702

800 W=0; CLR
806 X=RND(68)+10; Y=RND(10)+32; GOSUB 8
810 LINE -X,-Y,Φ; LINE X,-Y,Z
812 GOSUB 6
820 B=RND(4); Z=3
830 FOR A=-X TO X STEP B
840 LINE Φ,Y,Φ; LINE A,-Y,Z
850 NEXT A; GOSUB 6; GOSUB 6
860 V=RND(2)+3
870 W=W+1; IF W=V GOSUB 7; G=RND(7)*100; GOTO G
880 GOTO 806

900 NT=2; CLR; Z=3; BC=0; FC=133
910 CY=20; PRINT " 7 SPACES LINE ART B-12
912 PRINT
914 PRINT"■■■ TR(1) TO ERASE DESIGN
916 PRINT
918 PRINT"■■■ TR(2) FOR NEW DESIGN"; CY=-28; CX=-24;
      PRINT"W A I T !
920 FOR X=78 TO 70 STEP-2
930 Y=X÷2; GOSUB 4; GOSUB 5
940 GOSUB 6; NEXT X; GOSUB 7
950 G=600; GOTO G
960 CLR; BC=0; GOSUB 8
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